





























High-Level Public Reporting Requirements Comparison				
Topic	Massachusetts	New York	Hawaii	California
Date Initiated	Jan 2012	Jan 2013	Jan 2003	Apr 2014
Overseeing Agency	Department of Public Utilities	Public Service Commission	Public Utilities Commission	Public Utilities Commission
Reporting Entities	NSTAR, National Grid, Western Massachusetts Electric (WMECo), Unitol/Fitchburg Gas and Electric	Niagara Mohawk Power, Central Hudson Gas and Electric, Consolidated Edison, Orange & Rockland Utilities, New York State Electric and Gas (NYSEG)/Rochester Gas & Electric (RG&E)	Hawaiian Electric Company (HECO), Maui Electric Company (MECO), Hawai'i Electric Light Company (HELCO)	Pacific Gas and Electric (PG&E), Southern California Edison (SCE), San Diego Gas and Electric (SDG&E)
Web Address	Massachusetts Department of Energy Resouces; Interconnection <a href="https://sites.google.com/site/massdgc/home/interconnection">https://sites.google.com/site/massdgc/home/interconnection</a>	New York State Department of Public Service, Matter Number 13-00205 <a href="http://documents.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?MatterSeq=41907">http://documents.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?MatterSeq=41907</a>	Public Utilities Commission Document Management System; Docket Number 02-0051 <a href="http://dms.puc.hawaii.gov/dms/">http://dms.puc.hawaii.gov/dms/</a>	Public Utilities Commission; Interconnection (Rule 21) <a href="http://www.cpuc.ca.gov/PUC/energy/rule21.htm">http://www.cpuc.ca.gov/PUC/energy/rule21.htm</a>
Data Content	<b>General Data</b> <div>  <ul style="list-style-type: none"> <li>Utility Name</li> <li>Facility ID</li> <li>City/Town</li> <li>Zip Code</li> <li>Circuit Name</li> <li>System (Fuel or Gen) Type</li> <li>System Capacity [kW]</li> <li>Private or Government Site</li> <li>Net Metered [Y/N]</li> <li>System Modification Required [Y/N]</li> <li>Review Process [EXP/STD/CMP]</li> <li>Notes</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Utility Name</li> <li>Case Number</li> <li>System (Fuel or Gen) Type</li> <li>System Capacity [kW]</li> <li>Protective Equipment</li> <li>Net Metered [Y/N]</li> <li>Notes</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>System (Fuel or Gen) Type</li> <li>System Capacity [kW]</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>[all data below provided for most recent quarter and cumulative from Sept 2012]</li> <li>Pre-application Reports [number requested, issued, in process, withdrawn]</li> <li>Number of Fast Track Applications of all types [queued and non-queued]</li> <li>Number of Fast-Track Applications for Export Facilities</li> </ul> </div>
	<b>Cost Data</b> <div>  <ul style="list-style-type: none"> <li>None</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>CESIR Cost to Customer</li> <li>Utility Interconnection Cost</li> <li>Customer Interconnection Cost</li> <li>Utility System Upgrade Costs</li> <li>Customer System Upgrade Costs</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>None</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>None</li> </ul> </div>
	<b>Timeline/Date Data</b> <div>  <ul style="list-style-type: none"> <li>[start date, end date, elapsed workdays, customer stoppage, utility stoppage]</li> <li>Application Receipt</li> <li>Screen Review</li> <li>Supplemental Review</li> <li>Standard Process Initial Review</li> <li>Impact Study</li> <li>Detailed Study</li> <li>IA and Pre-Construction [date interconnection agreement sent, estimated in-service date]</li> <li>Construction</li> <li>Witness Test [date scheduled, date completed]</li> <li>Authorization to Interconnect [final date]</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Application Review [start date/end date]</li> <li>Preliminary Review [start date/end date]</li> <li>CESIR [start date/end date]</li> <li>Verification Testing [test date]</li> <li>Final Letter of Acceptance [sent date]</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>[date of action, comment]</li> <li>Request Received</li> <li>Information Sent to Customer</li> <li>Application Received</li> <li>Technical Review Completed</li> <li>Design Finalized</li> <li>Interconnection Facilities Identified</li> <li>Interconnection Agreement Sent</li> <li>Interconnection Agreement Signed</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>None</li> </ul> </div>
	<b>Screen Data</b> <div>  <ul style="list-style-type: none"> <li>None</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>None</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Additional Technical Study Required [Y/N]</li> <li>Additional Protective Equipment Required [Y/N]</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Number of Fast-Track Exporting Facilities that: <ul style="list-style-type: none"> <li>-Passed Initial Review</li> <li>-Currently in Initial Review</li> <li>-Failed Initial Review</li> <li>-Had a Results Meeting</li> <li>-Requested Supplemental Review after Failing Initial</li> <li>-Currently in Supplemental Review</li> <li>-Passed Supplemental Review</li> <li>-Passed and Received Interconnection Agreement</li> <li>-Withdrew before Supplemental Review</li> <li>-Withdrew during/after Supplemental Review</li> <li>-Number that Signed GIAs</li> </ul> </li> <li>Top Three Failed Initial Review Screens and customer options to avoid</li> <li>Top Three Failed Supplemental Review Screens and customer options to avoid</li> </ul> </div>
Data Quality	<b>Earliest Data Available</b> <div>  <ul style="list-style-type: none"> <li>Jan 2009</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>July 2012</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Jan 2002</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Sept 2012</li> </ul> </div>
	<b>Frequency of Publication</b> <div>  <ul style="list-style-type: none"> <li>Monthly</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Quarterly to Semi-Annual</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Annual</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Quarterly</li> </ul> </div>
	<b>Level of Aggregation</b> <div>  <ul style="list-style-type: none"> <li>Individual facility</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Individual facility</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Individual facility</li> </ul> </div>	<div>  <ul style="list-style-type: none"> <li>Utility-wide</li> </ul> </div>

High-Level Public Reporting Requirements Comparison

	Electronic Format	<div><div></div></div> <div>Spreadsheet</div>	<div><div></div></div> <div>Spreadsheet/PDF</div>	<div><div></div></div> <div>PDF</div>	<div><div></div></div> <div>PDF</div>
	Data Standardization	<div><div></div></div> <div>Moderate Reporting template created by DG working group; submitted data are reviewed and new recommendations for standardization published</div>	<div><div></div></div> <div>Moderate Required reporting data fields are clearly defined in interconnection regulations</div>	<div><div></div></div> <div>Low Original reports were text-based forms, later reports switched to tables; tables include different formats for dates</div>	<div><div></div></div> <div>High Identical document format across utilities</div>
	Data Accessibility	<div><div></div></div> <div>High Webpage is easily accessible; data in spreadsheet is cumulative; data from all utilities compiled into single spreadsheet</div>	<div><div></div></div> <div>Low Reports are contained within docket tracking system; data in quarterly/semi-annual reports are non-cumulative; each utility’s data is contained in separate file</div>	<div><div></div></div> <div>Low Reports are contained within docket tracking system; data in annual reports are non-cumulative; tables presented as images, not text</div>	<div><div></div></div> <div>Medium Webpage is easily accessible; reports are mixed with wide range of other content; each utility’s data in separate file</div>